

JAVASCRIPT CODE OPTIMIZER

ABSTRACT

- 5 A method and system for preparing a web content file for downloading over a
computer network. The method comprises the steps of receiving a request from a
browser for a web content file; in response to receiving the request, reducing the size
of the requested file by removing pre-identified subject matter from the file; and
downloading to the browser the reduced size file. For example, the reducing step may
10 include the step of removing comments and unused logic blocks from the file. These
unused logic blocks are functions that are in the file but not used. The removing step
may comprise the steps of consolidating duplicated logic blocks, and shortening
recurring identifiers within the file. These duplicated functions may be consolidated
by identifying the duplicated functions, and replacing the duplicated functions with a
15 reference to a single function in a library.